

Mr. Greg Kissell
Whirlpool Corporation, Evansville Division
5401 U.S. Highway 41 North
Evansville, Indiana 47727

Re: **AA 163-11817-00022**
First Administrative Amendment to
Part 70 163-7467-00022

Dear Mr. Kissell:

Whirlpool Corporation, Evansville Division was issued a permit on July 13, 1999 relating to the manufacture of household refrigerators and ice making equipment. A letter requesting to replace the existing pre-expander with one (1) new pre-expander and to add three (3) press molders on an existing permitted production line was received on December 13, 1999. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (g) One (1) Expanded Polystyrene Process, identified as F12, **consisting of one (1) pre-expander and eleven (11) press molders** with a maximum usage of ~~five-hundred pounds per hour (500 lb/hr)~~ **14,000 pounds of beads per day** of raw material, and exhausting to room.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

One (1) Expanded Polystyrene Process, identified as F12, **consisting of one (1) pre-expander and eleven (11) press molders** with a maximum usage of ~~five-hundred pounds per hour (500 lb/hr)~~ **14,000 pounds of beads per day** of raw material, and exhausting to room.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

~~D.5.1 Volatile Organic Compounds (VOC) [326 IAC 8]~~

~~Any change or modification to each facility that would lead to an increase in volatile organic compound (VOC) emissions above twenty-five (25) tons per year, as specified in 326 IAC 2-1 must be approved by the Office of Air Management (OAM) before such change or modification can occur.~~

D.5.21 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the PM from the Expanded Polystyrene Process, identified as F12,

shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and

P = process weight rate in tons per hour

Compliance Determination Requirements

D.5.32 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.5.21 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Paula M. Miano, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

PMM/MES
Attachments

cc: File - Vanderburgh County
U.S. EPA, Region V
City of Evansville Environmental Protection Agency
Southwest Regional Office
Air Compliance Section Inspector - Scott Anslinger
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

**PART 70 OPERATING PERMIT
OFFICE OF AIR MANAGEMENT
AND
CITY OF EVANSVILLE ENVIRONMENTAL
PROTECTION AGENCY**

**Whirlpool Corporation
5401 U.S. 41 North
Evansville, Indiana 47727**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T163-7467-00022	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: July 13, 1999
First Significant Source Modification: SSM 163-11657-00022	Pages Affected: 4, 7, and 41
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:
First Amendment AA 163-11817-00022	Pages Affected: 4, 7, and 41
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

D.2.8 Visible Emissions Notations

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.9 Record Keeping Requirements

D.2.10 Reporting Requirements

D.3 FACILITY OPERATION CONDITIONS

- One (1) Black Paint System (metal parts are being coated), identified as EU2

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

D.3.2 Volatile Organic Compound (VOC) [326 IAC 8]

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

D.3.4 Testing Requirements [326 IAC 2-7-6(1),(6)]

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.5 Particulate Matter (PM)

D.3.6 Monitoring

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.7 Record Keeping Requirements

D.4 FACILITY OPERATION CONDITIONS

- One (1) Thermoplastic Liner System, identified as EU1

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

D.4.2 Volatile Organic Compound (VOC) [326 IAC 8]

Compliance Determination Requirements

D.4.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.4.4 Particulate Matter (PM)

D.4.5 Monitoring

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.6 Record Keeping Requirements

D.5 FACILITY OPERATION CONDITIONS

- One (1) Expanded Polystyrene Process, identified as F12

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Compliance Determination Requirements

D.5.2 Testing Requirements [326 IAC 2-7-6(1),(6)]

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- (g) One (1) Expanded Polystyrene Process, identified as F12, consisting of one (1) pre-expander and eleven (11) press molders with a maximum usage of 14,000 pounds of beads per day of raw material, and exhausting to room.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- One (1) Natural Gas-fired Boiler less than ten million British thermal units per hour (1.527 MMBtu/hr).

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION D.5

FACILITY OPERATION CONDITIONS

- (g) One (1) Expanded Polystyrene Process, identified as F12, consisting of one (1) pre-expander and eleven (11) press molders with a maximum usage of 14,000 pounds of beads per day of raw material, and exhausting to room.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the PM from the Expanded Polystyrene Process, identified as F12, shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Compliance Determination Requirements

D.5.2 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.5.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

There are no compliance monitoring requirements applicable to this emission unit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

No record keeping or reporting is required.